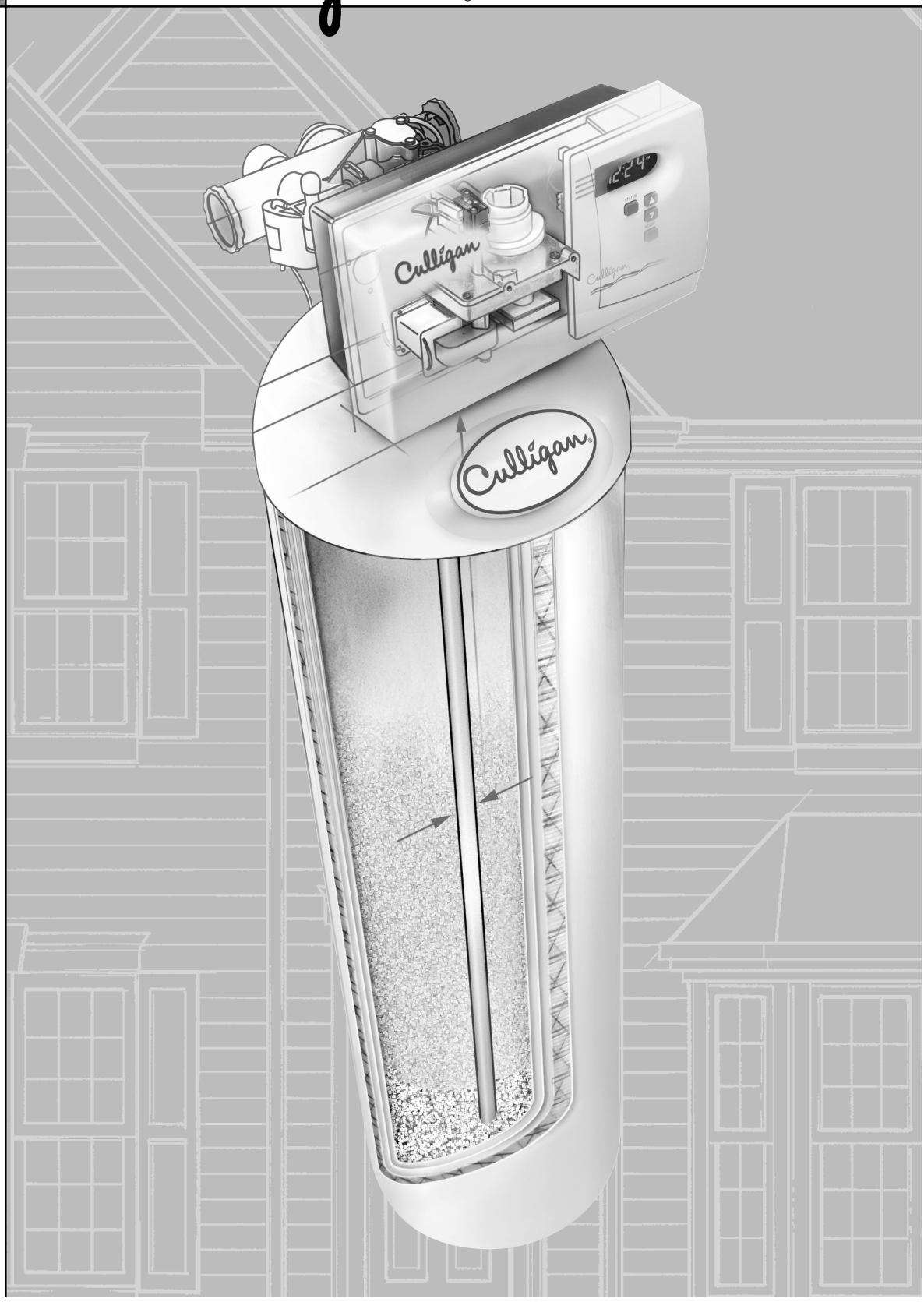
Culligan®

Culligan Gold Series™ Automatic Water Filter Owners Guide



THANK YOU

AND WELCOME TO YOUR NEW WORLD OF BETTER LIVING WITH CULLIGAN WATER.

The *Culligan Gold Series* Cullar® filter has been tested and certified by WQA against WQA S-200 for the effective reduction of chlorine taste and odor up to 120,000 gallons for the 9" filter and 180,000 gallons for the 10" filter.

The *Culligan Gold Series* Cullneu® filter has been tested and certified by WQA against WQA S-200 for neutralization up to 14,500 gallons for the 9" *Cullneu* filter and 21,750 gallons for the 10" *Cullneu* filter as verified and substantiated by test data.

The Culligan Gold series FiltrCleer 9" Model has been tested and certified by WQA against WQA S-200 for Class IV (>5-15µm to <30µm) particulate reductions as verified and substantiated by test data. The Culligan Gold Series FiltrCleer 10" has not been certified by WQA.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

For installations in Massachusetts, the Commonwealth of Massachusetts Plumbing Code 248 CMR shall be adhered to. Consult your licensed plumber for installation of the system. This system and its installation must comply with state and local regulations.

If this is your first experience having filtered, conditioned water in your home, you'll be amazed at the marvelous difference it makes. We promise that you'll never want to be without it again.

Congratulations, too, on selecting one of the "first family" of water filters in the prestigious *Culligan Gold Series.* With Culligan's many years of knowledge and experience in water treatment, you can be confident that the model you selected has been designed and engineered to provide years of service with a minimum of care and attention.

Products manufactured and marketed by Culligan International Company (Culligan) and its affiliates are protected by patents issued or pending in the United States and other countries. Culligan reserves the right to change the specifications referred to in this literature at any time, without prior notice. Culligan, Culligan Gold Series, Cullar, Filtr-Cleer, Cullneu, Accusoft, Culligan Man and www.culligan.com are trademarks of Culligan International Company or its affiliates.

Performance Data Sheets are included in this manual for the various *Culligan Gold Series* Filter models. Refer to the Performance Data Sheet for your specific filter, as there are slight differences between the models. The filter warranty is located on page 12 of this Owner's Guide.

☐ ***Culligan Gold Series*** 9" *Cullar* Filter & 10" *Cullar* Filter
Performance Data Sheet - Page 8

☐ ***Culligan Gold Series*** 9" *Cullneu* Filter & 10" *Cullneu* Filter
Performance Data Sheet - Page 9

☐ ***Culligan Gold Series*** 9" *Filtr-Cleer* Filter & 10" *Filtr-Cleer* Filter
Performance Data Sheet - Page 10

Specifications

	9-INCH	*10-INCH*
GENERAL		
Mineral Tank Size	9x48 in. (229x1,219mm)	10x54 in. (254x1,372mm)
Control	Hi-Flo Power Valve	Hi-Flo Power Valve
Timer	Electronic	Electronic
Temperature Limits	33-120°F (1-50°C)	33-120°F (1-50°C)
Water Pressure Limits	20-120 psi (140-860kPa)	20-120 psi (140-860kPa)
Water Pressure Limits (Canada)	20-90 psi (140-620kPa)	20-90 psi (140-620kPa)
Electrical Requirements	24V/50-60 Hz	24V/50-60 Hz
Electrical Power Consumption, Min./Max.	3 Watts/35 Watts	3 Watts/35 Watts
Overall Height	54 in. (1,372 mm)	60 in. (1,524 mm)
FILTR-CLEER[5]		
Rated Service Flow @ Pressure Drop	9.0 gpm @ 8 psi	12.0 gpm @ 15 psi
Minimum Practical Filtration Size	15 microns	15 microns
Maximum Particulate Matter	150 NTU	150 NTU
Maximum Suspended Solids	150 mg/L	150 mg/L
Drain Flow, Maximum[1]	4.5 gpm	7.0 gpm
pH Limitation	6.0 - 9.5	6.0 - 9.5
Recharge Time[2]	30 min.	30 min.
Recharge Water Consumption, Av.[3]	90 gal.	140 gal.
Freeboard[4]	20 ± 1.5 inches	19 ± 1.5 inches
CULLAR		
Rated Service Flow @ Pressure Drop	4.0 gpm @ 2.0 psi	6.0 gpm @ 6.0 psi
Drain Flow, Maximum[1]	3.5 gpm	5.5 gpm
pH Limitation	5.0 - 11.0	5.0 - 11.0
Recharge Time[2]	30 min.	30 min.
Recharge Water Consumption, Av.[3]	40 gal.	110 gal.
Cullar Media Volume	0.75 cu. ft.	1.5 cu. ft.
Cullsan® Underbedding Media Amount	10 lbs. (.1 ft^3)	20 lbs. (.2 ft^3)
Freeboard[4]	22 ± 1.5 inches	24 ± 1.5 inches
Rated Capacity	120,000 gallons	180,000 gallons
CULLNEU		
Rated Service Flow @ Pressure Drop	4.0 gpm @ 1.0 psi	6.0 gpm @ 5.0 psi
Drain Flow, Maximum[1]	3.5 gpm	5.5 gpm
pH Limitation*	5.2 to ³ 6.8	5.2 to ³ 6.8
Recharge Time[2]	30 min.	30 min.
Recharge Water Consumption, Av.[3]	70 gal.	110 gal.
Cullneu Media Volume	1.1 cu. ft.	1.6 cu. ft.
Freeboard[4]	13 ± 1.5 inches	18 ± 1.5 inches
Rated Capacity	14,500 gallons	21,750 gallons

1 Backwash at 120 psi (830 kPa).
2 Factory Settings.
3 Factory Settings and 120 psi line pressure.
4 Measured from top of media surface to top surface of tank threads (backwashed and drained).
5 The Filtr-Cleer 10" filter data has not been certified by WQA.
* NOTE: Under dynamic conditions, it may be necessary to mix five parts Cullneu with one part Cullneu C to effectively raise the pH.

Familiarization

Display
As shipped from the factory, the display of the board will turn off if there has been no keyboard activity for a 1 minute period. To have the display constantly lit, press the STATUS button until the number 10 icon is lit. Next, press the UP arrow. A "d" for disable will appear in the display. To have the display blank again, press the UP arrow. An "E" will appear in the display.

Power Loss
The AccuSoft® circuit board is equipped with a Hi-Cap Capacitor and EEPROM memory chip. The capacitor is capable of maintaining the time, for at least one day, in the event of a power outage. The EEPROM ensures that the individual programming parameters of your filters are not lost.

If the power outage lasts long enough to drain the Hi-Cap Capacitor, the control will flash "12:00 PM" when power is returned to the control. The unit will continue to keep time from the moment power is restored, and will initiate a full regeneration at the preset regeneration time. The time of day will need to be reset in order to return the regeneration to its preset time.

If you live in an area where power outages occur with a regular frequency, a battery backup option is available for ensuring that the time of day is properly maintained. Contact your Culligan Dealer for more information.

Regeneration
To initiate an immediate regeneration, press the "REGEN" button twice. The first time the "REGEN" will light and the second time the motor will run and the "REGEN" will begin to blink. An immediate regeneration will also occur if a power outage has lasted for more than four hours and the Immediate Regeneration option is chosen. Ask your Culligan Dealer about this feature.

Service
The *Culligan Gold Series* filters are equipped with a self diagnostic program to insure optimal operation of your filter. Should service become necessary, a phone icon will appear in the display. If this condition occurs, call your local Culligan Dealer for assistance. The phone icon will be the only item displayed when service is required on the control.

Programming

The *Culligan* AccuSoft® circuit board controls all of the filter functions. These settings are programmed at the time of installation. The following is a list of all the microprocessor functions, in the event that any of the settings need to be adjusted. If a small padlock icon appears in the lower right corner of the display, the microprocessor settings are locked and only the Time-of-Day setting can be adjusted, call your Culligan Dealer if setting changes are required.

1. With a flashing or blank display, pressing the status button twice will move to the **Time-of-Day** adjustment. A number "1" will appear at the bottom of the display while in this mode.

Press ▲ to increase or
▼ to decrease

2. Press status again, this displays the **Time-of-Regeneration.** A number "2" will appear at the bottom of the display while in this mode.

Press ▲ to increase or
▼ to decrease

3. Press status again, the number at the bottom of the display will skip to "4". **This setting is not used.**

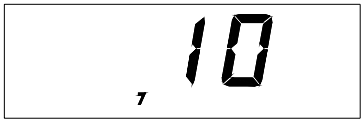
4. Press status again, this displays the **Backwash Time**. The setting can be adjusted between 5 and 40 minutes. A number "5" will appear at the bottom of the display while in this mode.

Press ▲ to increase or
▼ to decrease

5. Press status again to display the **Pause Time**. This setting can be adjusted from 1-15 minutes. A number "6" will appear at the bottom of the display while in this mode.

Press ▲ to increase or
▼ to decrease

6. Press status again to display the Fast Rinse Time. This setting can be adjusted from 5-30 minutes. A number "7" will appear at the bottom of the display while in this mode.

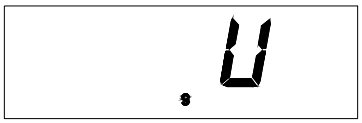


Press▲ to increase or
▼ to decrease

7. Press status again will show the **Regeneration Interval.** This setting can be adjusted from 1-42 days. A number "8" will appear at the bottom of the display while in this mode.

Press ▲ to increase or
▼ to decrease

8. Press status again, the number "9" will appear at the bottom of the display. **This setting is not used.**



9. Pressing status again brings up the ability to **Enable/ Disable** the screen blanking. To have the display constantly lit, press the up arrow, a "d" for disable will appear in the display. Pressing the up arrow again displays an "E", signifying that display blanking is enabled. A number "10" will appear at the bottom of the display while in this mode.

Press ▲ to change

Things to Check Before You Call For Service

If you unexpectedly experience unfiltered water, make these simple checks before calling your Culligan dealer. One of the following conditions may be the reason for your interruption of service.

IMPORTANT
If any of the following conditions are found, the water filter should be manually recharged according to instructions on page 3 after you have corrected the problem.

POWER SUPPLY
Check your power supply cord. Is it plugged fully into the electric outlet? Be certain that the outlet is not controlled by a wall switch which has been turned off. Reset the filter to proper time of day.

BLOWN FUSE
Check the house fuse or circuit breaker panel. Replace a blown-out fuse or reset an open circuit breaker.

POWER FAILURE
Any interruption in your power supply or time changes - such as daylight savings - will disrupt your conditioner's recharge schedule by causing the timer to run off-schedule. Reset timer to proper time of day.

BYPASS VALVES
Check to see if they are in the proper position. Cul-Flo-Valv® Bypass, if used, should be in the "Push for Service" position. If hand valves are used, see that inlet and outlet valve are opened and that the bypass valve is closed.

NO WATER
If you aren't getting any water flow at all, make sure your water supply is working. Open a tap ahead of the filter (outside tap) to see if you have any water pressure. If you have water pressure, check the bypass valve. If it is in the Service position, put it into the bypass and call your Culligan dealer for service.

INCREASED USAGE
Guests, family additions, new water-using appliances, etc., all will result in more water usage and will require more capacity from your filter. You can reprogram your recharging schedule by following the directions on pages 4 and 5. Call your Culligan dealer for advice and save a service call.

When and How to Bypass Your Water Filter

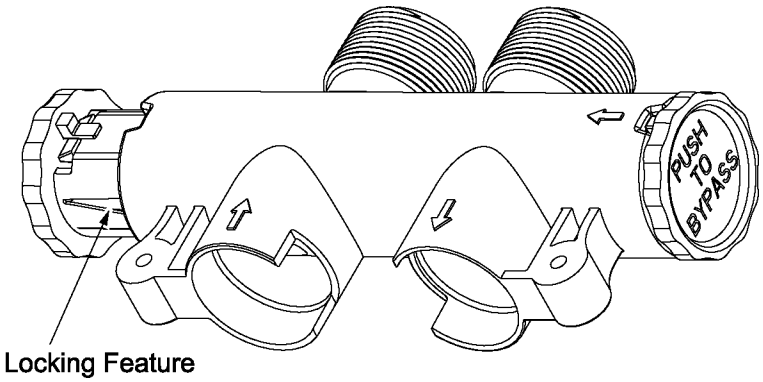
Normally, all water except outside lines passes through the water filter. There are times when the water filter should be bypassed, using the push-button *Cul-Flo-Valv* Bypass, or a 3-way bypass valve. You should bypass:

1. If lines to outside faucets do not bypass the water filter, and you do not want to waste filtered water on lawn sprinkling or other outside uses.

2. If you are going away on vacation and want to save water by not having the unit recharge while you are away.

PUSH-BUTTON BYPASS
In the back of *Culligan* water filter is a push-button *Cul-Flo-Valv* Bypass. To bypass unit, simply push the red knob (marked "Push to Bypass") against the bypass valve body. To return to filtered water service, reverse the procedure - push the blue knob (marked "Push for Service") against the bypass valve body.

The service knob (blue) has a locking feature, which must be depressed in order to shift.



Performance Data Sheet

Culligan knows the more informed you are about your water treatment systems, the more confident you will be about its performance. It's because of this and more than sixty years of commitment to customer satisfaction that Culligan is providing this Performance Data Sheet to its customers.

IMPORTANT NOTICE: Read this Performance Data Sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that before purchasing a water treatment unit, you have your water supply tested to determine your actual water treatment needs.

MANUFACTURER: Culligan International Company,
One Culligan Parkway, Northbrook, IL 60062-6209 USA
(847) 205-6000

PRODUCT: *Culligan Gold Series* 9" *Cullar* & 10" *Cullar* Filter

TESTING CONDITIONS & RESULTS:

Capacity: 120,000 gallons for the 9" Filter
180,000 gallons for the 10" Filter
pH: 7.6

Pressure: 60 psi
Temperature: 63°-73°F (17°-23°C)

Service Flow: 4.0 gpm @ 2.0 psi for the 9" Filter
6.0 gpm @ 6.0 psi for the 10" Filter

OPERATING CONDITIONS:

Operating Temperature Range: 33 - 120°F (1 - 50°C)
Water Pressure Range: 20 - 120 psi (140 - 860 kPa)
Water Pressure Range: (Canada): 20-90 psi (140-620 kPa)
Electrical Characteristics: 24V/50-60 Hz, 45 Watts

TESTED AND CERTIFIED Water Quality UNDER INDUSTRY STANDARDS

SUBSTANCE REDUCTION

While testing was performed under standard laboratory conditions, actual performance may vary.

Model	Substance	USEPA SDWA MCL	Average % Reduction	Minimum % Reduction	Avg Test Influent Concentration Level	Avg Test Effluent Concentration Level
9" Cullar	Chlorine Taste and Odor	N/A	98.7	98.1	2.66 mg/L	0.05 mg/L
10" Cullar	Chlorine Taste and Odor	N/A	98.9	98.6	2.11 mg/L	0.02 mg/L

The *Culligan Gold Series Cullar* filter has been tested and certified by WQA against WQA S-200 for the effective aesthetic reduction of chlorine taste and odor up to 120,000 gallons for the 9" filter and 180,000 gallons for the 10" filter. The system has been tested according to NSF/ANSI 42 for the reduction of the substances listed. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42.

Performance Indicator: If water flow decreases or a noticeable taste change occurs, the filter should be backwashed. If conditions do not improve, contact your local Culligan Man™. He can determine if your filter requires servicing. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Refer to the specifications and warranty sections of this owners guide for more specific product information.

To avoid contamination from improper handling and installation, your system should only be installed and serviced by your *Culligan Man. Performance will vary based on local water conditions. The substances reduced by this product are not necessarily in your water.*

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MANUFACTURER: Culligan International Company,
One Culligan Parkway, Northbrook, IL 60062-6209 USA
(847) 205-6000

PRODUCT: *Culligan Gold Series* 9" *Cullneu* & 10" *Cullneu* Filter

TESTING CONDITIONS & RESULTS:

Capacity:
Gallons 9" Filter: 14,500
Gallons 10" Filter: 21,750

Pressure: 60 psi
Temperature: 76°-78°F (24°-25°C)
pH: 4.9 - 5.5

Rated Service Flow:
4.0 gpm @ 1.0 psi (9" Filter)
6.0 gpm @ 5 psi (10" Filter)

OPERATING CONDITIONS:
Operating Temperature Range: 33 - 120°F (1 - 50°C)
Water Pressure Range: 20 - 120 psi (140 - 860 kPa)
Water Pressure Range: (Canada): 20-90 psi (140-620 kPa)
Electrical Characteristics: 24V/50-60 Hz, 45 Watts

SUBSTANCE REDUCTION

While testing was performed under standard laboratory conditions, actual performance may vary.

Model	Substance	USEPA SDWA MCL	Average % Reduction	Minimum % Reduction	Avg Test Influent Concentration Level	Avg Test Effluent Concentration Level
9" Cullneu	pH	6.5 - 8.5	N/A	N/A	5.24 mg/L	≥6.8 mg/L
10" Cullneu	pH	6.5 - 8.5	N/A	N/A	4.6 mg/L	≥7.1 mg/L

The *Culligan Gold Series Cullar* filter has been tested and certified by WQA against WQA S-200 for neutralization up to 14,500 gallons for the 9" filters and 21,750 gallons for the 10" filters as verified and substantiated by test data. The system has been tested according to NSF/ANSI 42 for the reduction of the substances listed. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42.

Performance Indicator: If water flow decreases or a noticeable taste change occurs, the filter should be backwashed. If conditions do not improve, contact your local Culligan Man™. He can determine if your filter requires servicing. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Refer to the specifications and warranty sections of this owners guide for more specific product information.

To avoid contamination from improper handling and installation, your system should only be installed and serviced by your *Culligan Man*. *Performance will vary based on local water conditions. The substances reduced by this product are not necessarily in your water.*

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IMPORTANT NOTICE: Read this Performance Data Sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that before purchasing a water treatment unit, you have your water supply tested to determine your actual water treatment needs.

MANUFACTURER: Culligan International Company,
One Culligan Parkway, Northbrook, IL 60062-6209 USA
(847) 205-6000

PRODUCT: *Culligan Gold Series* 9" *Filtr-Cleer* & 10" *Filtr-Cleer* Filter

TESTING CONDITIONS & RESULTS:
Rated Service Flow:
9.0 gpm @ 8.0 psi for the 9" Filter
12.0 gpm @ 15.0 psi for the 10" Filter

Pressure: 60 psi
Temperature: 76°-78°F (24°-25°C)
pH: 4.9-5.5

OPERATING CONDITIONS:
Operating Temperature Range: 33 - 120°F (1 - 50°C)
Water Pressure Range: 20 - 120 psi (140 - 860 kPa)
Water Pressure Range (Canada): 20-90 psi (140 - 620 kPa)
Electrical Characteristics: 24V/50-60 Hz, 45 Watts

TESTED AND CERTIFIED Water Quality UNDER INDUSTRY STANDARDS

SUBSTANCE REDUCTION

While testing was performed under standard laboratory conditions, actual performance may vary.

Model	Substance	Avg Test Effluent Challenge Concentration	Reduction Required	Average % Reduction	Minimum % Reduction
9" Filtr-Cleer	Class IV Particulate ≥15 um to <30 um	12,726 particles/mL	≥85%	90%	85%

The *Culligan Gold Series Filter-Cleer 9"* filter has been tested and certified by WQA against WQA S-200 for Class IV (>15um to < um) particulate reduction as verified and substantiated by test data. The Culligan Gold series Filter-Cleer 10" filter has not been tested or certified by WQA. The 9" filter system has been tested according to NSF/ANSI 42 for the reduction of the substances listed. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42.

Performance Indicator: If water flow decreases or a noticeable taste change occurs, the filter should be backwashed. If conditions do not improve, contact your local Culligan Man™. He can determine if your filter requires servicing. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Refer to the specifications and warranty sections of this owners guide for more specific product information.

To avoid contamination from improper handling and installation, your system should only be installed and serviced by your *Culligan Man. Performance will vary based on local water conditions. The substances reduced by this product are not necessarily in your water.*

Records and Data

Important Data on Your Water Filter
It is advisable to have the salesperson or installer fill in the information below for your future reference. If this has not been done, please ask for it, as it is necessary if you contact your dealer.

IDENTIFICATION

Model Name _____ Catalog No. _____

Control Model No. _____ Control Serial No. _____

Date of Installation _____ Tank Serial No. _____

SETTINGS

Time of Recharge: _____ a.m. _____p.m.
Regeneration Interval _____ days

Number of people in household

_____

WATER ANALYSIS

Total Hardness _____ (gpg)

Total Iron _____ (ppm)

pH (acidity)_____

Other

_____

_____

Culligan Limited Warranty

***CULLIGAN GOLD SERIES* AUTOMATIC WATER FILTERS**

You have just purchased one of the finest water filter made. As an expression of our confidence in Culligan International Company products, your water filter is warranted to the original end-user, when installed in accordance with Culligan specifications, against defects in material and workmanship from the date of original installation, as follows:

For a period of ONE YEAR	**The entire filter**
For a period of FIVE YEARS	**The control valve timer**
	The AccuSoft® circuit board
For a period of TEN YEARS	**The control valve body, excluding internal parts**
For the LIFETIME of the original consumer purchaser	**The Quadra-Hull® conditioner tank**

If a part described above is found defective within the specified period, you should notify your independently operated Culligan dealer and arrange a time during normal business hours for the dealer to inspect the water conditioner on your premises. Any part found defective within the terms of this warranty will be repaired or replaced by the dealer. You pay only freight from our factory and local dealer charges.

We are not responsible for damage caused by accident, fire, flood, freezing, Act of God, misuse, misapplication, neglect, oxidizing agents (such as chlorine, ozone, chloramines and other related components), alteration, installation or operation contrary to our printed instructions, or by the use of accessories or components which do not meet Culligan specifications, is not covered by this warranty. Refer to the specifications section in the Installation and Operating manual for application parameters.

Our product performance specifications are furnished with each water conditioning unit. TO THE EXTENT PERMITTED BY LAW, CULLIGAN DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE; TO THE EXTENT REQUIRED BY LAW, ANY SUCH IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE ONE-YEAR PERIOD SPECIFIED ABOVE FOR THE ENTIRE CONDITIONER. As a manufacturer, we do not know the characteristics of your water supply or the purpose for which you are purchasing a water conditioner. The quality of water supplies may vary seasonally or over a period of time, and your water usage rate may vary as well. Water characteristics can also differ considerably if your water conditioner is moved to a new location. For these reasons, we assume no liability for the determination of the proper equipment necessary to meet your requirements, and we do not authorize others to assume such obligations for us. Further, we assume no liability and extend no warranties, express or implied, for the use of this product with a non-potable water source. OUR OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED TO THE REPAIR OR REPLACEMENT OF THE FAILED PARTS OF THE WATER CONDITIONER, AND WE ASSUME NO LIABILITY WHATSOEVER FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, GENERAL, OR OTHER DAMAGES.

Some states do not allow the exclusion of implied warranties or limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Similarly, some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Consult your telephone directory for your local independently operated Culligan dealer, or write Culligan International Company for warranty and service information.

CULLIGAN INTERNATIONAL COMPANY
One Culligan Parkway
Northbrook, Illinois 60062

With Culligan You Get More Than a Quality Product

You Get Your Water Expert, The Culligan Man

We're here to provide you with fast, dependable service, making sure any problems you have are taken care of. The *Culligan Man* has been around for over sixty years, delivering quality products and dependable service all along. That's why people say "Hey, Culligan Man!®" Because we're the water experts. And that's who you want taking care of your water.

The Culligan Promise

At Culligan, we understand that a water quality improvement system is an investment in your family's well-being. That's why our 1,350 independently operated dealers worldwide don't just sell products; they sell water quality you can count on. We stand behind our products with written limited warranties and our unequaled Culligan service. No matter where you live, you can depend on Culligan expertise to work for you — today and tomorrow.

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